

May 28, 2014
State of Montana
Montana Department of Environmental Quality-Remediation Division
Invitation to Bid
DEQ Contract No. 414049
To be Opened: June 6, 2014
CFR Reach A, Phases 5 and 6 Remedial Action Project
Deer Lodge County, Montana

PRE-BID WALK THROUGH QUESTIONS AND DEQ ANSWERS:

1. Can bids be submitted electronically?

*No. Please see Section I, Paragraph 1.2, Instructions to Bidders, Article 8, Paragraph 8.10.
Bids may be mailed or hand delivered.*

2. Should the whole Bid Document be returned for bid?

*No. Please see Section I, Paragraph 1.2, Instructions to Bidders, Article 8, Paragraph 8.2,
Each Bid shall include the following: (1) Bid Form, Section 2.1; (2) Bid Security, Article 6;
(3) completed Contractor Personnel and Proposed Project Approach, Section 2.2; (4)
completed Contractor Questionnaire and Ownership Information, Section 2.3; and (5)
current Montana Certificate of Contractor Registration. Bids omitting any of these shall be
deemed nonconforming. The remainder of the Contract Documents need not be submitted
with the Bid.*

See also Bidder's Checklist on the cover of the construction bid package. .

3. How long is the site?

*The site is approximately 2 miles long from Galen Road to Gemback Road and includes
approximately 4.5 miles of river.*

4. Does the soil from constructing the haul roads go back in the borrow area?

*If the soil from the haul roads is clean, it can either be used as floodplain alluvium or be
placed back in the borrow areas.*

5. Can Contractor over-excavate?

No. An excavation surface is provided.

6. How did you arrive at the Contract Time (400 days)?

*It is based on estimated time to perform the Work as specified in the Contract Documents.
Stream construction may be the most significant factor affecting the construction schedule.*

7. Do you believe that 400 days is enough time?

Yes.

8. How big are the Remedial Work Zones?

Approximately 5 to 10 acres.

9. How were excavation depths determined?

Test pits were excavated approximately every 125 feet across the floodplain. Excavation depths are based on test pit sampling results plus a 6-inch over-excavation depth.

10. Is there a plan for transitioning between grid points?

Yes. An excavation surface is provided.

11. Are there specifications for the Haul Road?

Please see the Drawings, Sheet D8, Site Haul Road and Culvert Details. There is a section detail showing the general configuration, but Contractor is responsible for designing a haul road that is adequate for performing the Work as specified with Contractor's equipment.

12. What are the minimum qualifications for the Health and Safety (H&S) Officer?

Please see Section III, Special Provisions, Paragraph 4, Health and Safety.

NOTE: Contractor shall provide a full-time, qualified individual to perform the duties of the Site Safety and Health Officer (SSHO). The designated SSHO's responsibilities are to ensure that all applicable safety and health requirements are met and that the Contractor's Health and Safety Plan is being implemented on Site at all times. The SSHO shall not be the Site superintendent. Contractor shall include a thorough description of the SSHO qualifications and duties in Contractor's Health and Safety Plan, which shall be submitted to Engineer and Owner. The SSHO shall conduct mandatory daily safety meetings and provide onsite training as necessary. The SSHO shall be available on Site at all times unless the absence is approved by Engineer.

13. What are the hours of operation at Opportunity Ponds?

Opportunity Ponds is open from 7 a.m. to 5 p.m. Monday through Thursday. However, extended hours may be arranged with approval by Owner, AR and Engineer.

14. Is the final grade at Opportunity Ponds provided?

Please see Section III, Special Provisions, Paragraph 11.T, Excavate, Haul and Place Tailings / Impacted Soils (Bid Item 20).

Contractor shall place and compact the tailings / impacted soils in the B2.12 Cell at Opportunity Ponds at the location shown on the Drawings, Sheet C46, Beck Borrow and Repository Plans. All tailings / impacted soils shall be placed in maximum two (2) foot lifts and compacted by running haul traffic uniformly over the surface. Prior to compaction, tailings / impacted soils may need to be spread out to allow drying to reduce moisture content. The finished grade surface of the repository shall have maximum side slopes of 3h:1v and a top surface graded at 1% from the center of the repository toward the outside edges.

15. How big is the B2.12 cell?

The portion of the cell being used for disposal of tailings/impacted soil from this Project is approximately 38 acres.

16. How is Add Alternative #A1 paid, and is Contractor responsible for dust control at the Beck Borrow Area?

Please see Section III, Special Provisions Paragraph 11.UU, Add Alternative # A1: Beck Borrow Vegetative Backfill. Should the Work for Add Alternative # A1 be added to the Contract by Change Order, payment for Bid Item A1a, Develop Beck Borrow Area will be based on the unit price bid per acre; payment for Bid Item A1b, Excavate, Haul, and Place Beck Borrow Vegetative Backfill will be based on the unit price bid per cubic yard and payment for Bid Item A1c, Reclaim Beck Borrow Area will be based on the unit price bid per acre.

Contractor shall apply water to roads and disturbed areas at the Beck Borrow Area for dust suppression and additional applications of magnesium chloride to haul roads as requested by Engineer in accordance with Bid Item 15, Provide Water, and Bid Item 16, Magnesium Chloride Application.

17. Where is the vegetative backfill material excavated from at the Beck Borrow area?

Please see the Drawings, Sheet C46. Excavation is located west and adjacent to the existing disturbed Phase 1 Borrow Area.

18. If Contractor has another source for vegetative backfill can it be used for Add Alternative #A1?

No.

19. Does Add Alternative #A1, Beck Borrow Vegetative Backfill necessitate driving over railroad tracks and how will that be paid?

Yes, at two locations. Please see Section III, Special Provisions Paragraph 11.UU, Add Alternative # A1: Beck Borrow Vegetative Backfill and the Drawings, Sheet T3.

Hauling shall be conducted in accordance with Contractor's approved Transportation Plan, and along the routes shown on the Drawings, Sheets T1 and T3, Transportation Plan. Use of public roads shall require appropriate traffic control provided in accordance with Bid Item 4, Traffic Control and Flagging.

20. Does Contractor need to pay royalties to the landowner for Beck Borrow?

No. The State of Montana owns the Beck Borrow Area.

21. Are there plans to install an acceleration lane for exiting Opportunity Ponds onto Highway 48?

There are no plans to install an acceleration lane at this time.

22. What are the truck wheel washing requirements for vehicles leaving Opportunity Ponds?

Please see Section III, Special Provisions, Paragraph 11.T, Excavate, Haul and Place Tailings / Impacted Soils (Bid Item 20).

Contractor shall, to the maximum extent practical, prevent vehicle tracking of tailings / impacted soils to clean areas within the Site, on public haul roads and at the disposal area at Opportunity Ponds. To prevent spillage, Contractor shall remove gross contamination

(tailings / impacted soils) from each haul truck prior to its travel on public roadways. To prevent cross-contamination, haul trucks that will alternate between hauling tailings / impacted soils and other materials must be inspected by Engineer prior to switching load types.

Contractor shall load trucks such that no spillage occurs. Contractor shall remove all materials on haul truck bedrails, sides, fenders, or any other portion of truck not intended to transport materials prior to leaving Site. Contractor shall immediately remove any spilled tailings / impacted soils from haul roads, public haul roads, road crossings, the excavation areas and the loading area(s), and as requested by Engineer. Any such spilled materials must be hauled to and disposed of in the B2.12 Cell at Opportunity Ponds. Any additional costs incurred by Contractor in handling of spilled materials shall be Contractor's and shall not be paid by Owner.

23. Is access permitted on Evan Johnston property in the northwest corner of the site?

Yes, the project site is open for inspection by foot access only.

WRITTEN CONTRACTOR QUESTIONS AND DEQ ANSWERS:

1. Which bid item assumes construction costs for Streambank Treatment - Point Bar?

Please see the Drawings, Sheets C31 through C34, Streambank Treatment Plan. See also Section III, Special Provisions, Paragraph 11.W, Excavate, Screen, Haul, and Place Phases 5 and 6 Borrow Area Floodplain Alluvium (Bid Item 23) and Paragraph 11.BB, Construct Brush Trench Streambank Treatment (Bid Item 28).

2. Since it's stated that all quantities in the bid package are given in bank yards, we understand that we'll be excavating and hauling more than the pay quantities on the compensation sheet but do you have any estimates of just how much the Tailings/Impacted Soils "swell" when handled?

We do not have any estimates of how much materials will swell.

3. Can you have dewatering operations going in more than one zone at a time?

Yes, excavation and backfill to subgrade may occur in one RWZ while dewatering commences a minimum of 10 days prior to excavation of tailing/impacted soil in the next RWZ. See also Section III, Special Provisions, Paragraph 11.Q, Groundwater Dewatering (Bid Item 17).

4. Are the spoils from the dewatering trenches below the bottom of the tailings grade considered contaminate because you indicate on page 49 of the special provisions that the dewatering trenches are to be backfilled with floodplain alluvium or veg? And if it is considered contaminated is that paid under 20 Excavate haul and place tailings?

The material below the excavation surface in the groundwater dewatering trenches is non-impacted material.

Please see Section III, Special Provisions, Paragraph 11.Q, Groundwater Dewatering (Bid Item 17), specifically, Bid Item 17d, Construct Groundwater Dewatering Trenches.

Contractor shall construct each groundwater dewatering trench by first removing and stockpiling tailings /impacted soils in the immediate vicinity of the trench. Tailings /

impacted soils shall be removed to the excavation surface as indicated on the Drawings, Sheets C10 through C13, Excavation Plan. Excavation of tailings / impacted soils shall be in accordance with Bid Item 20, Excavate, Haul, and Place Tailings / Impacted Soils. The cost of excavating and disposing non-impacted materials shall be included in this Bid Item and no separate payment will be made.

Also how is the alluvium and or veg paid for backfill the trench?

Please see Section III, Special Provisions, Paragraph 11.V, Excavate, Haul and Place Phases 5 and 6 Borrow Area Vegetative Backfill (Bid Item 22) and Paragraph 11.W, Excavate, Screen, Haul and Place Phases 5 and 6 Borrow Area Floodplain Alluvium (Bid Item 23).

5. Are we required to separate coarse wood from brush during clearing operations?

Yes. Please see Section III, Special Provisions, Paragraph 11.B, Floodplain Clearing and Grubbing (Bid Item 2).

Contractor shall separate and stockpile uncontaminated vegetative material at locations approved by Engineer to be incorporated into the final grading surface in accordance with Bid Item 26, Construct Bifurcation and Gap/Transition Streambank Treatments and for Bid Item 32, Develop Microtopography and Place Woody Material:

- 1. Coarse Wood – consists of salvaged tree and shrub trunks and tree and shrub branches larger than 3 inches in diameter at the larger end and longer than 8 feet. It also includes shrub clumps longer than 8 feet.*
- 2. Brush – consists of vegetative materials from smaller trees and shrubs that are not within the definition of Coarse Wood above.*

Engineer shall determine what above-ground vegetative materials are not needed or suitable (i.e., excess materials or objectionable materials). Contractor will remove and dispose of these excess or objectionable above-ground uncontaminated vegetative materials as debris under Bid Item 3, Debris Disposal. Contractor shall not burn vegetative material on the Site.

6. On sheet 54 of the plan set you indicate a base flow elevation a significant distance below the bottom log, will this be a representative water level during the period of construction?

The typical base flow elevation shown on the Drawings is a long-term average value and should not be relied upon to represent an expected water surface elevation. Future water levels are based on various factors and unknown future conditions including operation of Warm Springs Ponds, irrigation operations, and weather conditions. The duration of the average typical base flow condition is shown on Figure 1, Clark Fork River Average Daily Flow Rate at Galen Gage Station (USGS 12323800) is provided in Section III, Special Provisions, Paragraph 6.

Or is this the typical base flow during the summer months when we are not allowed to construct banks?

The long-term average base flow timing is from about August through April. Streambank construction is not permitted from July 15th to October 15th.

7. Can we construct streambanks in more than one zone at a time?

Yes.

8. It is indicated that dewatering systems will stay in place until subgrade is reached. Do you anticipate dewatering operations will be needed to get the required amount of vegetative backfill in the wetland areas? And if so how will that be paid?

Please see Special Provisions, Paragraph 11.Q, Groundwater Dewatering (Bid Item 17), specifically, Bid Item 17d, Construct Groundwater Dewatering Trenches.

Groundwater dewatering trenches shall remain in operation until the tailings / impacted soils within the Remedial Work Zone are excavated and the Remedial Work Zone is backfilled to subgrade as shown on the Drawings and approved by Engineer. After dewatering trenches in the Remedial Work Zone(s) are deactivated, the trenches shall be backfilled with either floodplain alluvium or vegetative backfill based on the subgrade and final grading surfaces, and shown on the Drawings, Sheets C18 through C21, Subgrade Plan, and Sheets C22 through 25, Final Grading Plan.

See also Section III, Special Provisions, Paragraph 11.V, Excavate, Haul and Place Phases 5 and 6 Borrow Area Vegetative Backfill (Bid Item 22) and Paragraph 11.W, Excavate, Screen, Haul and Place Phases 5 and 6 Borrow Area Floodplain Alluvium (Bid Item 23).

Additional dewatering for placement of vegetative backfill from the subgrade surface to finished grade is incidental to these bid items and no additional payment will be made.

9. Are there any planned DOT construction projects at this time on the frontage road from Galen to Warm Springs that might limit the use of the frontage road?

DEQ is not aware of any planned construction project that will limit the use of the Frontage Road.

10. What is the access to the potential sod salvage location on Sheet 75 and what are the reclamation requirements if any in this area?

Please see Section III, Special Provisions, Paragraph 11.II, Modesty Creek Site Haul Roads (Bid Item 35) and Paragraph 11.RR, Modesty Creek Salvage and Transplant Sod (Bid Item 44).

Access to the potential sod salvage location will be by Modesty Creek Site Haul Roads in accordance with Bid Item 35, Modesty Creek Site Haul Roads. There are no reclamation requirements for the sod salvage areas.

11. Who pays for all tipping or dump fees associated with disposal of impacted soil at Opportunity Ponds?

There are no tipping or dump fees at Opportunity Ponds.

12. Do the trucks need to be “wrapped” in plastic for transportation of impacted soil to Opportunity Ponds? Do trucks need to be tarped?

Please see Section III, Special Provisions, Paragraph 11.T, Excavate, Haul and Place Tailings/Impacted Soils (Bid Item 20).

Contractor shall cover all loads prior to transport. Covers shall be free from rips or tears and shall be capable of covering the entire load. Covers shall be inspected daily to ensure that they are functioning as intended.

There is no requirement to wrap the loads in plastic.

13. Will the owner provide the sign in sheet from the prebid meeting and the site visit?

*The sign in sheet from the prebid meeting is posted at the following website:
http://svc.mt.gov/gsd/onestop/Upload/IFB_414049_Mandatory-Pre-Bid-Walkthrough-Attendees.pdf*

14. The contractor's competent person as required by the Contract Safety and Health Act, can that person have other duties on the project such as the contractor's surveyor or GPS survey person?

Please see Section III, Special Provisions, Paragraph 4, Health and Safety.

The Site Safety and Health Officer (SSHO) cannot be the Site Superintendent. The SSHO is permitted to have other duties on site.

15. Can the question period be extended to Monday May 25th at 5:00PM MT?

No.

16. Per Section II, 2.2 Contractor Personnel and Proposed Project Approach, do all of these documents need to be submitted at bid time?

Please see Section I, Paragraph 1.2, Instructions to Bidders, Article 8, Paragraph 8.2, Each Bid shall include the following: (1) Bid Form, Section 2.1; (2) Bid Security, Article 6; (3) completed Contractor Personnel and Proposed Project Approach, Section 2.2; (4) completed Contractor Questionnaire and Ownership Information, Section 2.3; and (5) current Montana Certificate of Contractor Registration. Bids omitting any of these shall be deemed nonconforming. The remainder of the Contract Documents need not be submitted with the Bid.

See also Bidder's Checklist on the cover of the construction bid package.

17. Anticipated date of award for the project?

DEQ anticipates awarding a Contract very shortly after receiving and evaluating the bids. Notice to Proceed will be issued after review and approval of submittals. DEQ The goal would be to issue a Notice to Proceed in July 2014.

18. Based on the 400 calendar day completion should the contractor anticipate construction continuing during winter months? Does the contract stipulate additional calendar days if work is suspended during a "winter shutdown"?

Yes, construction is expected during winter months. If a winter shutdown is required, the elapsed time between shutdown and start-up will not be counted against the 400 calendar days for construction.

19. Soil compaction requirements for impacted soil placement at Opportunity Ponds?

Please see Section III, Special Provisions, Paragraph 11.T, Excavate, Haul and Place Tailings/Impacted Soils (Bid Item 20).

All tailings / impacted soils shall be placed in maximum two (2) foot lifts and compacted by running haul traffic uniformly over the surface. Prior to compaction, tailings / impacted soils may need to be spread out to allow drying to reduce moisture content. The finished grade surface of the repository

shall have maximum side slopes of 3h:1v and a top surface graded at 1% from the center of the repository toward the outside edges.

Whose responsibility is it to place and compact material at Opportunity Ponds?

Placement and compaction at Opportunity Ponds is Contractor's responsibility.

20. What documents need to be returned with the bid? Does the complete project booklet need to be resubmitted with bid proposal?

Please see Section I, Paragraph 1.2, Instructions to Bidders, Article 8, Paragraph 8.2, Each Bid shall include the following: (1) Bid Form, Section 2.1; (2) Bid Security, Article 6; (3) completed Contractor Personnel and Proposed Project Approach, Section 2.2; (4) completed Contractor Questionnaire and Ownership Information, Section 2.3; and (5) current Montana Certificate of Contractor Registration. Bids omitting any of these shall be deemed nonconforming. The remainder of the Contract Documents need not be submitted with the Bid.

See also Bidder's Checklist on the cover of the construction bid package.

21. Per Special Provisions Section 9. General Work Description, Part B. Permits; Contractor shall obtain all required permits for the work prior to starting construction. All costs necessary to obtain and comply with all applicable permits are incidental. Please list the permits and agency contact information that require potential permits.

22. *No permits are required for the remedial Work on-site (Bid Items 1 through 33).*

Permits are required for the restoration portions of the Work (Bid Items 34 through 46). Restoration tasks related to Galen and Modesty Spring Creeks will require 310 and 404 permits. (This is in contrast to remedial tasks which in general do not require formal permitting by outside agencies.)

Other parties (not the Contractor) are responsible for obtaining those permits. Permits are being sought now but have not yet been obtained. Until permits are issued, Contractor may not begin restoration tasks related to Galen and Modesty Spring Creeks. It is anticipated that permits will be obtained by late 2014.

23. Per Special Provisions Section 9. General Work Description, Part A. General, Paragraph 8; Contactor is responsible for Site security and shall retain security personnel as needed. Does this project require 24/7 security personnel or security personnel during non-work hours?

Please see Section III, Special Provisions, Paragraph 9.A.

Contractor is responsible for Site security and shall retain security personnel as needed. Contractor shall lock all security gates to prevent public access to all portions of the Site at all times during construction stoppages greater than two (2) hours. Any losses occurring as a result of a security breach are the responsibility of Contractor.

24. Bid Item 3, Debris Disposal; Should the dump fees/tipping fees for the landfill disposal be included in the cost of this pay item or will it be paid directly by the owner? Are there preferred landfills that are to be used for the disposal?

Costs or fees for landfill disposal are to be included in the unit price bid and no separate payment will be made.

Please see Section III, Special Provisions, Paragraph 11.C, Debris Disposal (Bid Item 3).

Debris shall be salvaged or disposed of at a licensed Class II, Class III, or Class IV solid waste disposal facility (i.e. landfill), depending on the type of debris. Landfill classes are defined in the Montana Solid Waste Management regulations under ARM 17.50.503 and 504. Most debris encountered at the Site shall be transported to and disposed of in a Class II facility. Class III facilities will accept inert wastes only.

25. Bid Item 4b, Flagging; If material needs to be hauled from the Beck Borrow location and additional flagging will be needed at RR crossings, is the required flagging paid for at this unit price or incidental to the Excavate, Haul and Place for that alternate?

Please see Section III, Special Provisions Paragraph 11.UU, Add Alternative # A1: Beck Borrow Vegetative Backfill.

Hauling shall be conducted in accordance with Contractor's approved Transportation Plan, and along the routes shown on the Drawings, Sheets T1 and T3, Transportation Plan. Use of public roads shall require appropriate traffic control provided in accordance with Bid Item 4, Traffic Control and Flagging.

26. If Alternate #A1 is required how will the additional signage and traffic control be paid for?

See above.

27. How will Secondary Haul Roads that might be required if Alternate #A1 is activated be paid for?

Please see Section III, Special Provisions, Paragraph 11. D., Construct, Maintain, and Reclaim Site Haul Roads (Bid Item 7).

Secondary haul roads may also be needed to access areas within the Beck Borrow Area if Add Alternative # A1, Beck Borrow Vegetative Backfill is added to this Contract.

No separate payment will be made.

28. It is our understanding that if haul road materials or staging area materials are deemed to be impacted soil once project is complete that the material will be excavated, hauled and placed and will be paid for under Bid Item 20. Please verify that this is correct. Will this include the uppermost 6 inches of the road and any additional materials found to be impacted?

Please see Section III, Special Provisions, Paragraph 11. D., Construct, Maintain, and Reclaim Site Haul Roads (Bid Item 7).

Remove all tailings / impacted soils within the footprint of the haul roads, when present, as determined via X-Ray Fluorescence (XRF) sampling by Engineer. All tailings / impacted soil shall be hauled and disposed of under Bid Item 20, Excavate, Haul, and Place Tailings / Impacted Soils.

29. Bid Item 10, Alvi Beck Irrigation Ditch; Is groundwater dewatering incidental to this pay item?

Please see Section III, Special Provisions, Paragraph 11.J, Construct Alvi Beck Irrigation Ditch (Bid Item 10).

Groundwater dewatering as necessary to relocate the ditch in accordance with Bid Item 17,

Groundwater Dewatering.

30. Bid Item 12, Provide Livestock Water; Please clarify the locations that water will be provided to the contractor. For example, haul distances and pumping requirements, if required.

Please see Section III, Special Provisions, Paragraph 11.L, Provide Livestock Water (Bid Item 12).

Install stock tanks in the locations shown on the Drawings, G4, General Site and Haul Route Plan, or at locations requested by Engineer. The water provided shall be free from ice, debris, soil, acid, oil, alkali, metal contaminants, or organic matter and not brackish or salty. Sources of water may include Alvi Beck Ditch, shallow groundwater outside the RWZ, or at an offsite location as requested by Contractor and approved by Engineer.

31. Bid Item 19 Reclaim Phases 5 & 6 Borrow Areas; Are amendment of topsoil or vegetative backfill with compost, brush trench, microtopography and placement of woody material incidental to this item or will these items be paid for by their corresponding bid number?

Please see Section III, Special Provisions, Paragraph 11. S, Reclaim Phases 5 and 6 Borrow Areas (Bid Items 19).

Contractor shall amend the topsoil and Vegetative Backfill with compost and prepare the seedbed within the disturbed areas for those areas above the low water surface elevation, as shown on the Drawings and in accordance with Bid Item 33, Compost Amendment and Seedbed Preparation.

Brush Trench shall be installed in the locations as shown on the Drawings, and in accordance with Bid Item 28, Construct Brush Trench Streambank Treatment.

Contractor shall develop microtopography and place woody material in the locations shown on the Drawings and in accordance with Bid Item 32, Develop Microtopography and Place Woody Material.

Areas including placement of topsoil or vegetative backfill are incidental to Bid Item 19, Reclaim Phases 5 and 6 Borrow Areas.

32. Per Bid Item 20 Excavate, Haul and Place Tailings/Impacted Soils; Contractor is not supposed to haul on snow covered or icy roads. Does this requirement correspond to the number of calendar days that may affect the completion of the project?

If hauling is a scheduled work event and it is not permitted due to snow covered or icy roads then Contractor may submit a request for a weather day in accordance with Section II, Standard General Conditions of the Construction Contract ("General Conditions"), Article 12, Paragraph 12.03.B. Weather Days.

33. Bid Item 20 Excavate, Haul and Place Tailings/Impacted Soils; Protection and Abandonment of monitoring wells are incidental to this item. Please verify the number of monitoring wells, and provide size and depths of wells.

The number, location, size and depth of monitor wells is unknown and not shown on the plans. Only one monitor well is known to exist and is in RWZ 1E where it is to be protected in place.

34. Since there are piezometers on the project can you provide technical data regarding there readings to determine groundwater fluctuations?

Section III, Special Provisions, Appendix C contains technical data under a sub-section titled "Groundwater Elevation Monitoring."

35. Bid Item 20 Excavate, Haul and Place Tailings/Impacted Soils; please verify the number of piezometers, and provide the size and depths of piezometers.

There are about 40 piezometers on-site. They are all approximately 2 inch diameter PCV and less than 10 feet deep.

36. Are there specific grade requirements that need to be met at Opportunity Ponds or are they just the side slope requirements and 1% grading requirement for the top?

In addition to the grade requirements under Bid Item 20, Excavate, Haul and Place Tailings/ Impacted Soils, the waste material should be uniformly spread in the area provided on the Drawings, Sheet C46 to a maximum elevation of 5044 ft.

37. Bid Item 33 Compost Amendment and Seedbed Preparation; will the owner haul and stockpile compost or will the contractor?

Please see Section III, Special Provisions, Paragraph 11.GG, Compost Amendment and Seedbed Preparation (Bid Item 33).

Owner-supplied compost will be delivered and stockpiled within the Construction Staging Areas or other accessible areas at the Site as approved by Engineer.

If the contractor is to haul and stockpile please provide a specific site location of the compost.

See above.

If contractor is to haul and stockpile, will they also be responsible for loading compost?

Contractor shall load, haul, stockpile and apply Owner-supplied compost.

38. Will contractor have to supply a CQC manager?

Yes. Contractor is required to provide a Contractor Quality Control (CQC) Manager. Please see Section III, Special Provisions, Paragraph 8, Quality Control/Quality Assurance, and Technical Specifications, Subsection 140: Contractor Quality Control.

NOTE: Contractor shall provide a full-time, qualified individual whose sole duties are to perform field grade and alignment setting, checking, and staking for excavation and backfilling activities. The designated person's responsibilities are to coordinate with Owner's Surveyor ("Surveyor") and Engineer on construction grading, assure that construction grades are met within established tolerances, direct equipment to meet required grades, and communicate to Engineer when quality assurance verification measurements are needed. Contractor shall utilize the initial staking provided by Surveyor and Engineer.

Contractor shall include a thorough description of the designated field grade setter/checker qualifications and duties in Contractor's Quality Control Plan. The full-time grade setter/checker shall be available on Site at all times during excavation of tailings / impacted soils unless the absence is approved by Engineer.

If so can they have dual roles on the project?

The CQC Manager and the grade setter/checker may have dual roles as long as those duties do not interfere with their respective CQC duties.

If so, what qualifications do they need?

The CQC Manager and the full-time grade setter/checker qualifications must be sufficient to perform their duties in the contract to the satisfaction of the Engineer.

39. Is there a transformer or power source available at the staging area for the proposed field trailers?

None in the immediate vicinity of the staging area.

Will generators be allowed for powering the field offices if power source is not readily available?

Yes, unless an alternative power source can be utilized.

40. During the presentation the grading tolerance requirements were discussed, please verify the tolerance requirements. One of the tolerance requirements indicated +/-0.00' but normal GPS controlled equipment can only grade to 0.05'-0.1' tolerance. Please clarify.

Grade control shall be to the tolerance of modern, survey grade GPS equipment as approved by Engineer.